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7590 09/09/2004

Paul D. Greeley, ESQ.
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STAMFORD, CT 06901-2682
12/07/2004 SFELEKE2 00000141 10660350

01 FC:2501	685.00 DP
02 FC:1504	300.00 DP
03 FU:800 APPLICATION NO.	FILING 0.00 DP

FIRST NAMED INVENTOR

ATTORNEY DOCKET NO. CONFIRMATION NO.

10/660,350 09/11/2003

Zhang Xumu

823.0111USV

5131

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Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Leslie Moscatello	(Depositor's name)
<i>Leslie Moscatello</i>	(Signature)
December 2, 2004	(Date)

TITLE OF INVENTION: ORTHO SUBSTITUTED CHIRAL PHOSPHINES AND PHOSPHINITES AND THEIR USE IN ASYMMETRIC CATALYTIC REACTIONS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$665 685	\$300	\$965 985	12/09/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
PUTTLITZ, KARL J	1621	502-166000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.	Ohlandt, Greeley Ruggiero & Perle
<input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.	2 _____	3 _____
<input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.		

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

The Penn State Research Foundation University Park, PA

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are enclosed:	4b. Payment of Fee(s):
<input checked="" type="checkbox"/> Issue Fee	<input checked="" type="checkbox"/> A check in the amount of the fee(s) is enclosed.
<input checked="" type="checkbox"/> Publication Fee (No small entity discount permitted)	<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.
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5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature *Paul D. Greeley*

Date December 2, 2004

Typed or printed name Paul D. Greeley

Registration No. 31,019

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT TRANSMITTAL FORM

DEC 06 2004

Applicant(s): Xumu Zhang

Serial No.: 10/660,350

Filed: September 11, 2003

For: ORTHO SUBSTITUTED CHIRAL PHOSPHINES AND PHOSPHINITES
AND THEIR USE IN ASYMMETRIC CATALYTIC REACTIONS

Art Unit: 1621

Examiner: Karl J. Puttlitz

Confirmation No.: 5131

Customer No.: 27623 Attorney Docket No.: 823.0111USV

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

We are enclosing:

1. Form PTOL-85;
2. Check for \$1,015 (\$985 Issue and Publication fee; \$30 copy fee);
3. Transmittal letter in duplicate; and
4. Postcard.

Please charge any additional fees or credit any such fees, if necessary to Deposit Account No. 01-0467 in the name of Ohlandt, Greeley, Ruggiero & Perle. A duplicate copy of this sheet is attached.

Respectfully submitted,

Paul D. Greeley
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Date: December 2, 2004

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE U.S. POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: MAIL STOP ISSUE FEE, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, ON December 2, 2004.

Leslie Moscatello
NAME

SIGNATURE

12/2/04
DATE